

**In the Sequence Listing**

Please replace original pages 1-17 of the Sequence Listing with replacement pages 1-15.

**REMARKS**

Claims 1-83 are pending in this application.

The Sequence Listing has been amended to identify each claimed oligonucleotide with a unique sequence identifier.

No new matter has been added by the foregoing amendment.

In a telephone conference with the undersigned on Monday, June 12, 2000, the Examiner advised Applicants to amend the claims and specification of the present application so that each claimed oligonucleotide is identified by a unique sequence identifier. As directed by the Examiner, Applicants herein provide an updated copy of the Sequence Listing, both in paper and CRF format. In addition, Applicants provide required statements associated with the submission of new paper and computer readable copies of Sequence Listings.

DOCKET NO.: ISIS-3510

PATENT

In view of the foregoing, Applicants submit that the claims presently before the Examiner patentably define the invention over the art of record and are in condition for ready allowance. An early Office Action to that effect is, therefore, earnestly solicited.

Respectfully submitted,



Gwilym Attwell

Registration No. 45,449

Date: June 14, 2000

WOODCOCK WASHBURN KURTZ  
MACKIEWICZ & NORRIS LLP  
One Liberty Place - 46th Floor  
Philadelphia, PA 19103  
(215) 568-3100